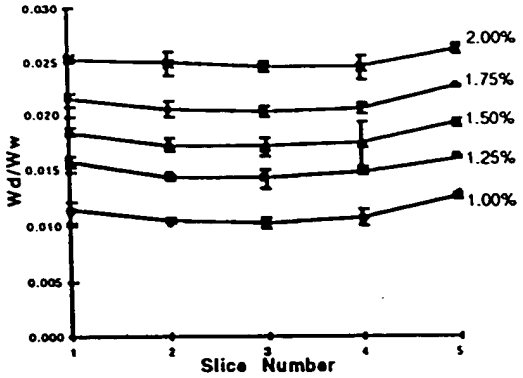
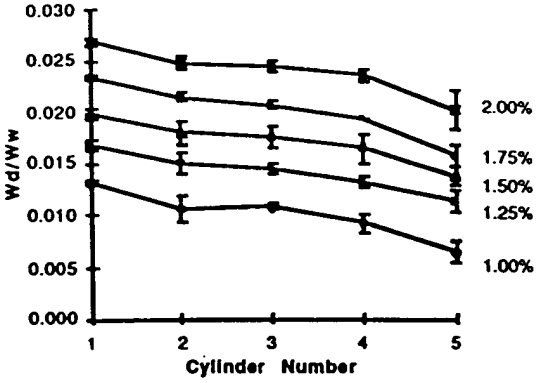
FIGURE 1

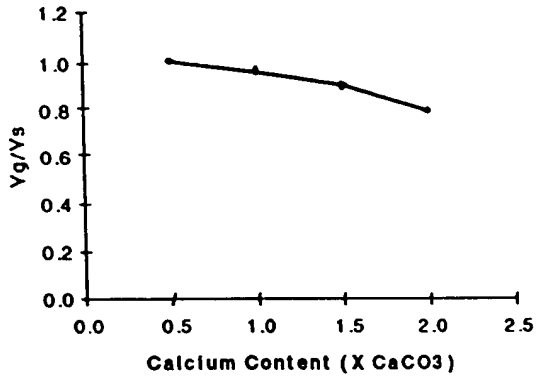

0.030
0.025
0.020
0.015
0.010
0.005
0.000
Wd/Ww
1
2
3
4
5
Slice Number
2.00%
1.75%
1.50%
1.25%
1.00%

(a)

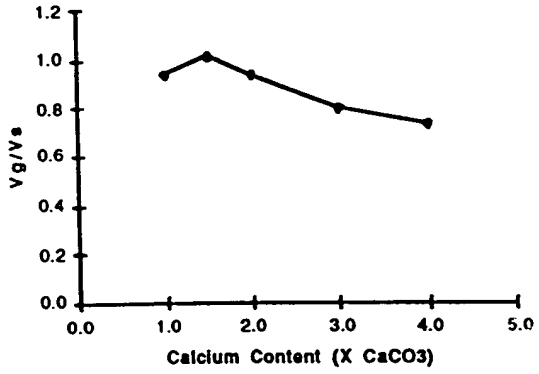

0.030
0.025
0.020
0.015
0.010
0.005
0.000
Wd/Ww
1
2
3
4
5
Cylinder Number
2.00%
1.75%
1.50%
1.25%
1.00%

(b)

FIGURE 2

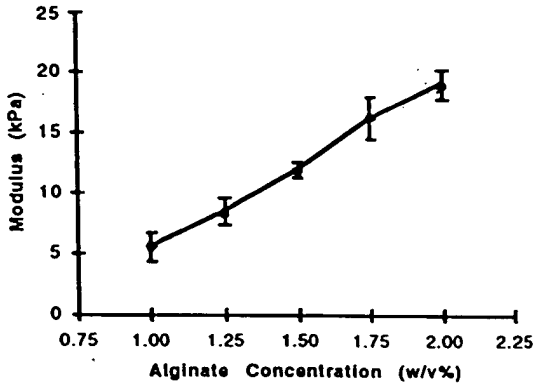


(a) 1.75% MP alginate gels

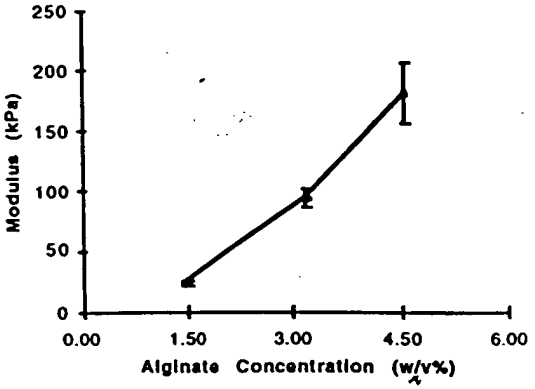


(b) 1.5% LH alginate gels

FIGURE 3

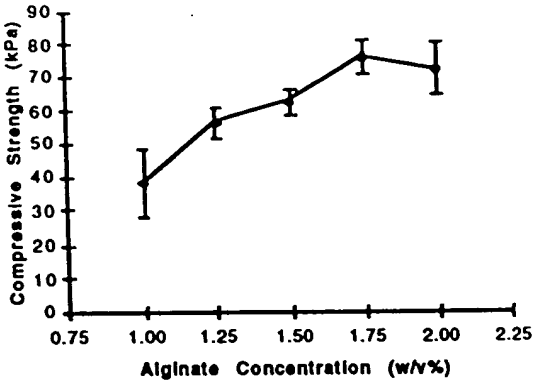


(a) MP alginate gels with 1X $CaCO_3$

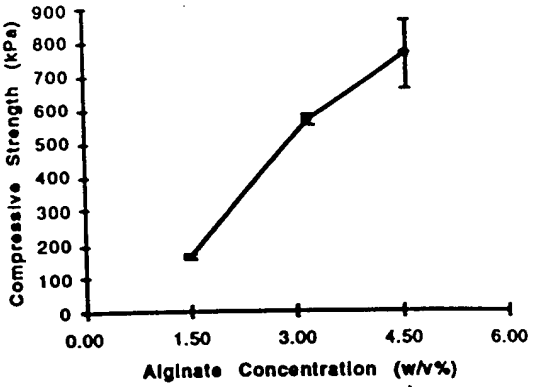


(b) LH alginate gels with 1.5X $CaCO_3$

FIGURE 4

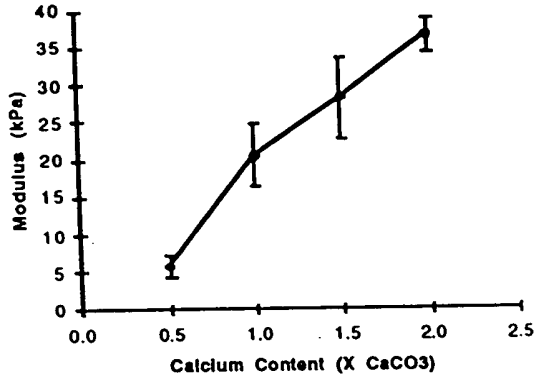


(a) MP alginate gels with 1X $CaCO_3$

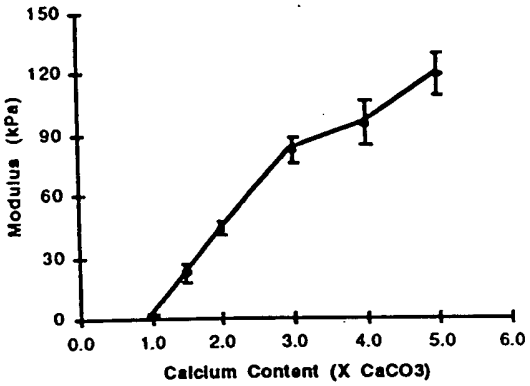


(b) LH alginate gels with 1.5X $CaCO_3$.

FIGURE 5

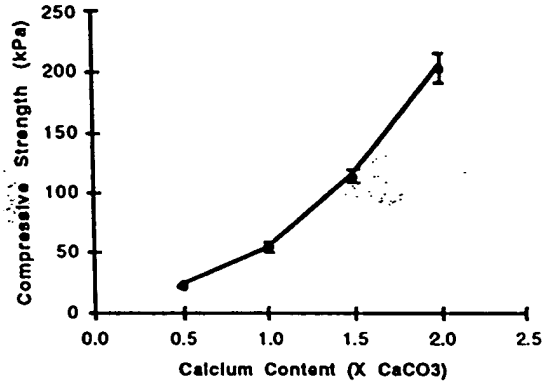


(a) 1.75% MP alginate gels.

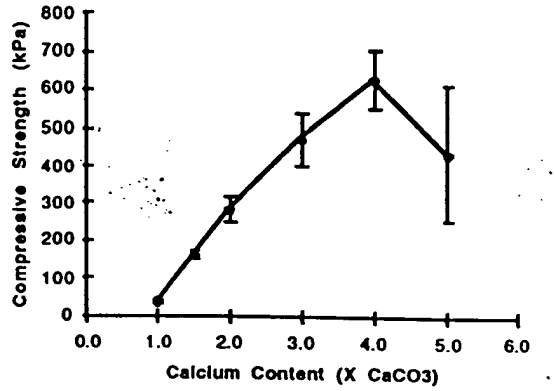


(b) 1.5% LH alginate gels.

FIGURE 6



(a) 1.75% MP alginate gels



(b) 1.5% LH alginate gels

FIGURE 7

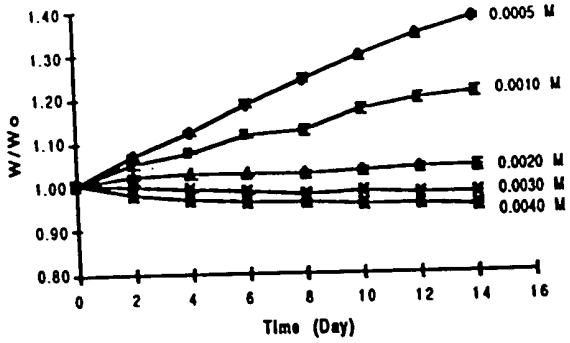

1.40
1.30
1.20
1.10
1.00
0.90
0.80
W/Wo
0
2
4
6
8
10
12
14
16
Time (Day)
0.0005 M
0.0010 M
0.0020 M
0.0030 M
0.0040 M

FIGURE 8a

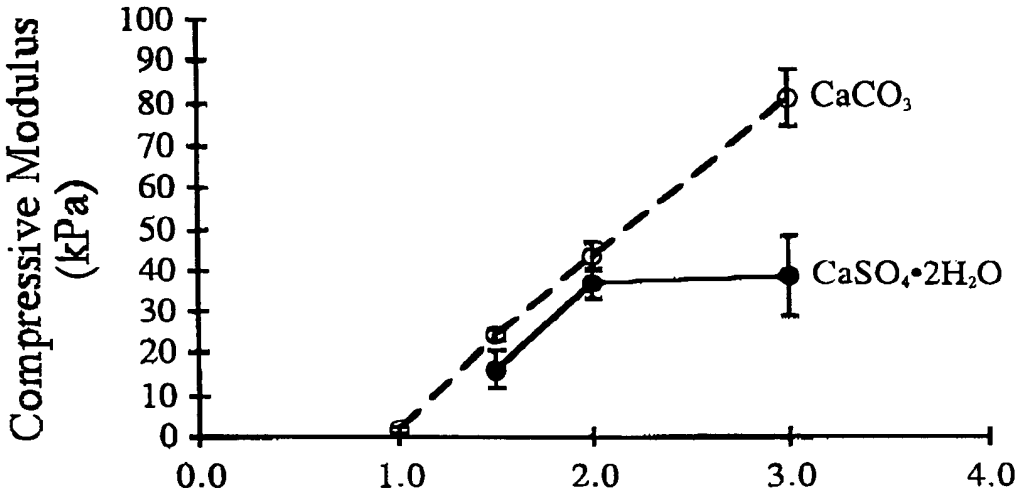

Compressive Modulus (kPa)
100
90
80
70
60
50
40
30
20
10
0
0.0
1.0
2.0
3.0
4.0
$CaCO_3$
$CaSO_4 \cdot 2H_2O$

FIGURE 8b

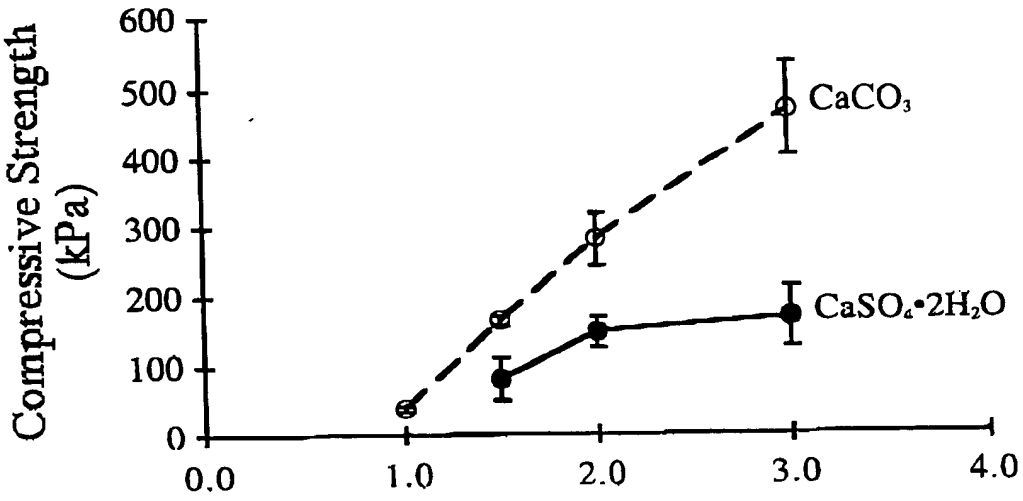

Compressive Strength (kPa)
600
500
400
300
200
100
0
0.0
1.0
2.0
3.0
4.0
$CaCO_3$
$CaSO_4 \cdot 2H_2O$

FIGURE 8c

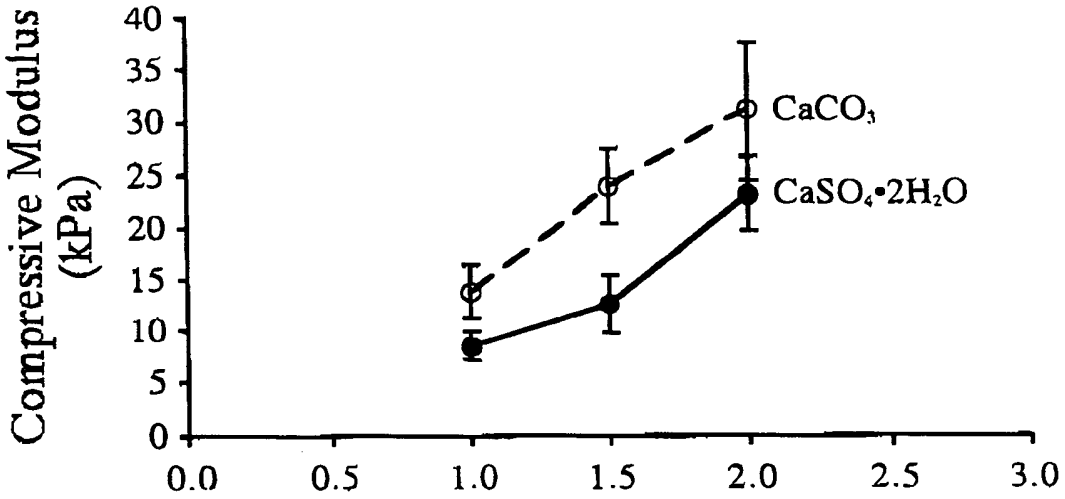
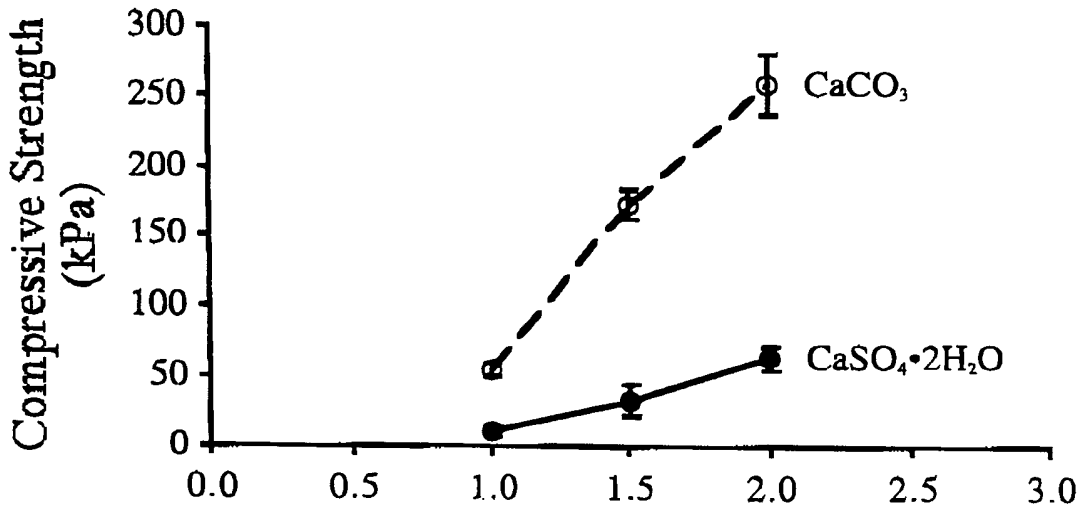

Compressive Modulus (kPa)
40
35
30
25
20
15
10
5
0
0.0
0.5
1.0
1.5
2.0
2.5
3.0
CaCO3
CaSO4•2H2O

FIGURE 8d


Compressive Strength (kPa)
300
250
200
150
100
50
0
0.0
0.5
1.0
1.5
2.0
2.5
3.0
CaCO3
CaSO4•2H2O